



ForTex GG Uni-Axial Geogrid

ForTex GG uni-axial geogrids are high-strength materials developed for single directional geogrid requirements for various applications of civil engineering. The material is manufactured by weaving polyester yarns in the rectangular form and coating the same with PVC.

ForTex GG unidirectional geogrids have significantly higher tensile stress in one direction when compared to the tensile stress in the other direction.



ForTex

GG Uni-Axial Geogrid

FIELDS OF APPLICATION

ForTex GG unidirectional geogrids can be used for applications such as slope stabilization and reinforced retaining structure systems GeoArme where unidirectional strength is required.

With the properties of fast and economic application, high resistance against earthquake forces, flexible integrity, and also aesthetic appearance, the fields of use of the ForTex GG uniaxial geogrids are:

- Bridge abutment walls
- Bridge elevation walls
- Road widening
- Steep slopes
- Reconstruction of landslide areas
- Construction for gaining space
- Walls for recreational areas

ADVANTAGES

ForTex GG unidirectional geogrids are durable, resistant to seismic and dynamic loads, reliable and cost-effective.

When fill or granular material is laid directly on the geogrid, the particle of the fill material fully interlock with the openings of the geogrid.

ForTex GG geogrids form full integrity with the fill material.

Therefore, the tensile stress and the shear stress to act on the soil are compensated by geogrid, thus forming a reinforced platform.

RANGE OF PRODUCTS

Tailor-made selection with the option for the intended use, **ForTex GG** Uni-Axial Geogrids are generally manufactured at tensile strength which are;

- ForTex GG** 40/20 P (40 kN/m / 20 kN/m),
- ForTex GG** 60/20 P (60 kN/m / 20 kN/m),
- ForTex GG** 80/30 P (80 kN/m / 30 kN/m),
- ForTex GG** 100/30 P (100 kN/m / 30 kN/m),
- ForTex GG** 150/30 P (150 kN/m / 30 kN/m),

PACKAGING AND STORAGE

ForTex GG is manufactured in rolls with maximum 6 m width and generally 100 m length. Each roll is shipped in packaging in protection against UV effects.

If the rolls to be stacked up on top of each other, it is recommended to stack up to maximum 6 rows and for rolls shorter than 2 m it is recommended to load and store upright.

TECHNICAL SPECIFICATIONS

Product	Standart (TS EN ISO 10319)			
	Tensile Strength (kN/m)		Elongation at Nominal Strength (%)	
	MD	CMD	MD	CMD
ForTex GG 40/20 P	40	20	12(±2)	12(±2)
ForTex GG 60/20 P	60	20	12(±2)	12(±2)
ForTex GG 80/30 P	80	30	12(±2)	12(±2)
ForTex GG 100/30 P	100	30	12(±2)	12(±2)
ForTex GG 150/30 P	150	30	12(±2)	12(±2)

Roll Packing

